DOCUMENT RESUME

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IDENTIFIERS	*Charrettes; Virginia (Hampton)

ABSTRACT

Proceedings of a two-day charrette or "brainstorming session" held to explore ideas for the schools generally and for the new high school specifically, are outlined. An initial slide presentation by the planning team of some innovative educational facilities is described in text and sketches. Goals and possible building solutions suggested by each of four discussion groups are then summarized. (MLF)

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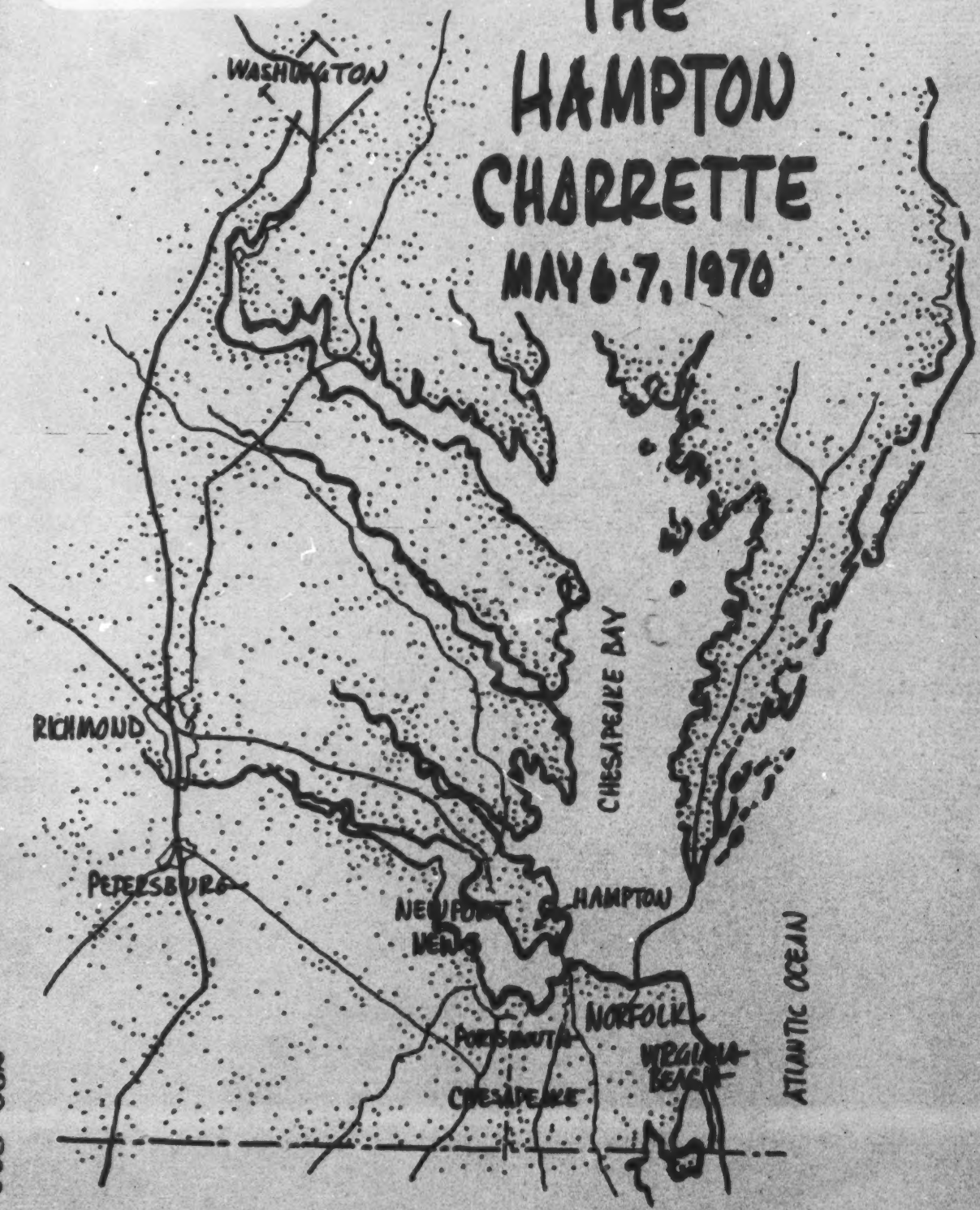
THE HAMPTON CHARRETTE

MAY 6-7, 1970



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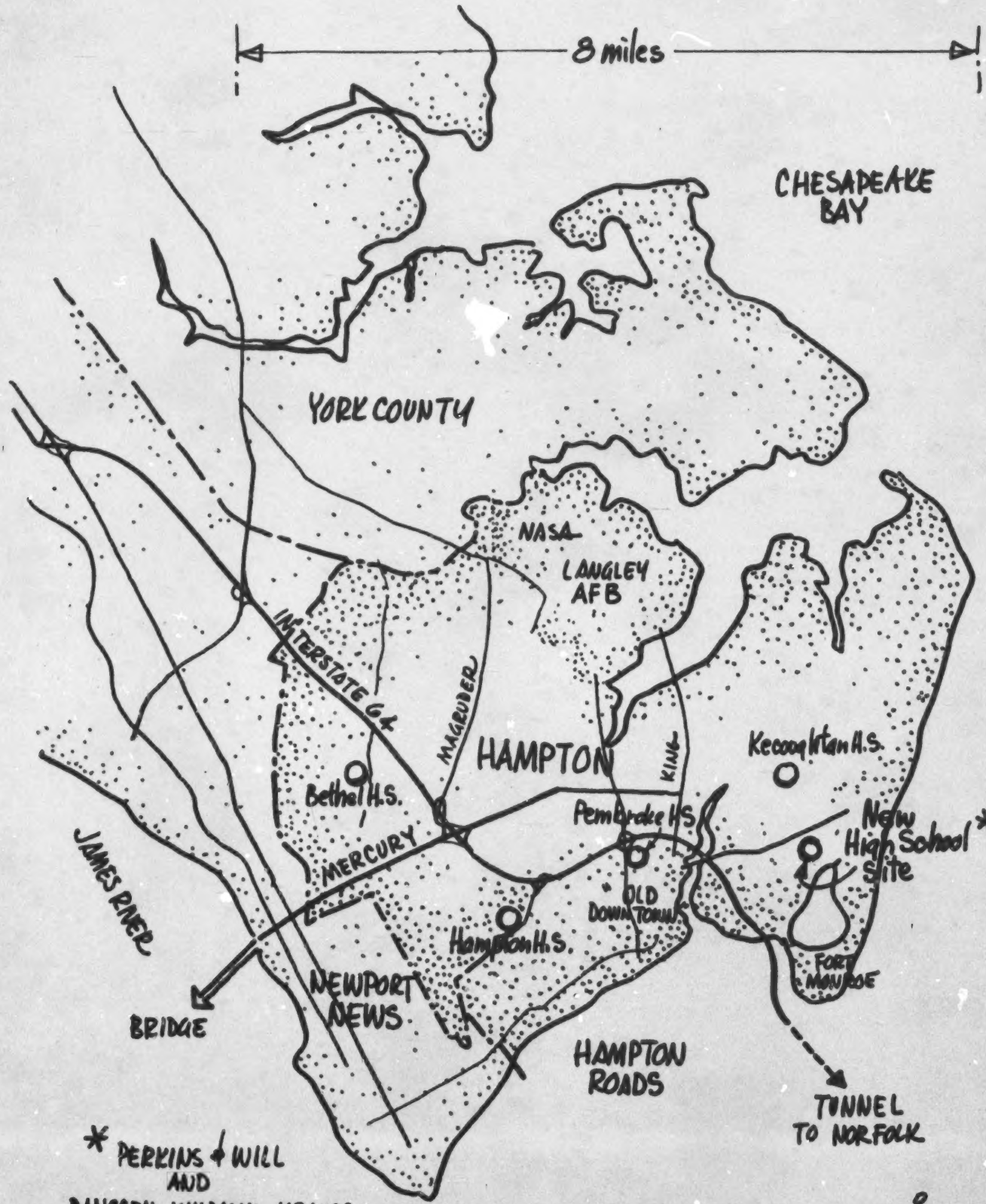

* PERKINS & WILL
AND
RANCORN · WILDMAN · KRAUSS
Architects · Planners

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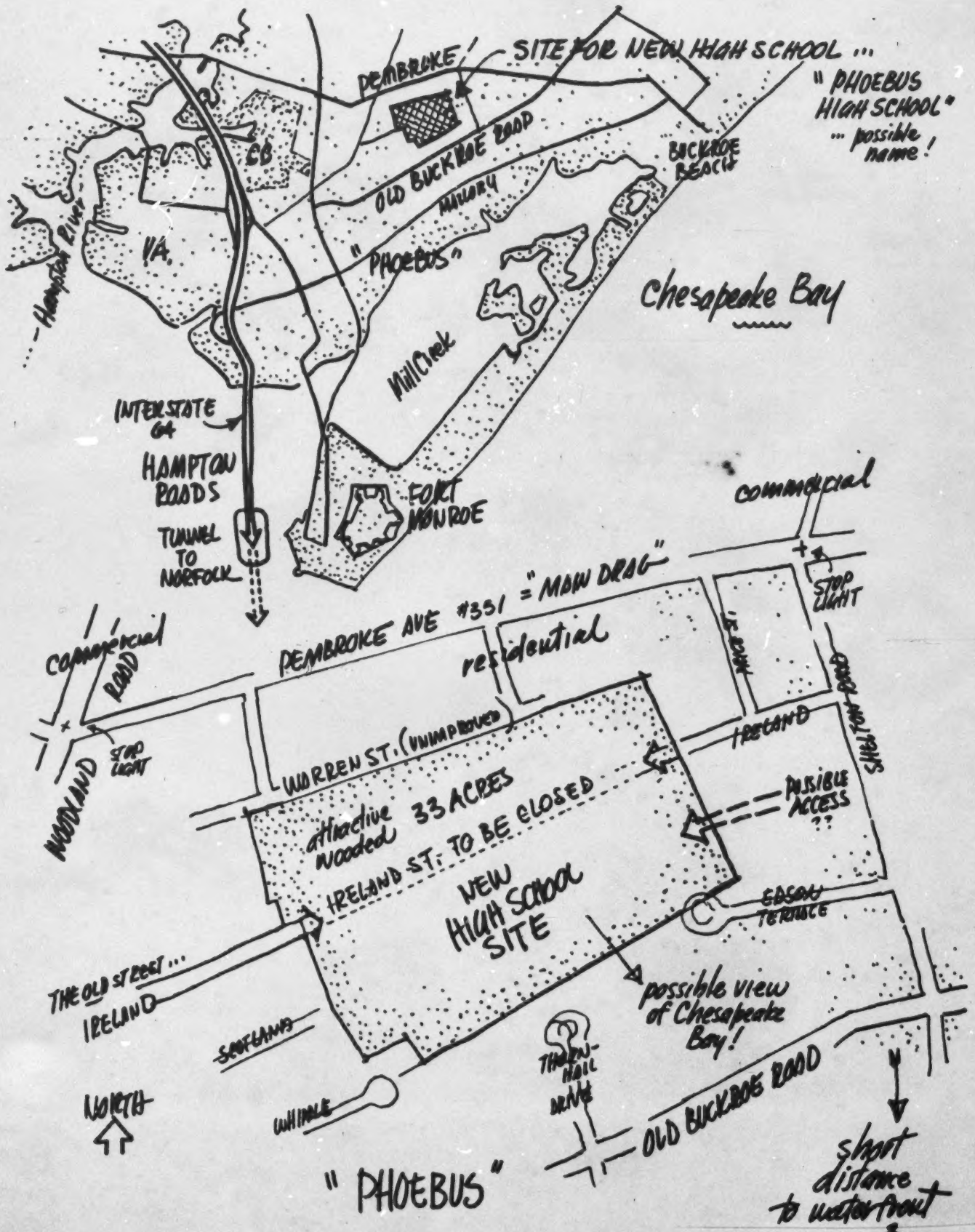

PEMBROKE
SITE FOR NEW HIGH SCHOOL ...
" PHOEBUS HIGH SCHOOL" ... possible name!
CB
OLD BUCKROE ROAD
BUCKROE BEACH
MALLORY
VA.
Hampton River
" PHOEBUS"
Chesapeake Bay
Mill Creek
INTERSTATE 64
HAMPTON ROADS
TUNNEL TO NORFOLK
FORT MONROE
COMMERCIAL
STOP LIGHT
PEMBROKE AVE #351 = "MAIN DRAG"
residential
COMMERCIAL ROAD
WOODLAND
STOP LIGHT
WARREN ST. (UNIMPROVED)
IRELAND
SHELTON ROAD
attractive wooded 33 ACRES
IRELAND ST. TO BE CLOSED
POSSIBLE ACCESS ??
NEW HIGH SCHOOL SITE
EDSON TERRACE
THE OLD STREET ...
IRELAND
SEAFLANES
possible view of Chesapeake Bay!
NORTH
WHIPPLE
THORNHILL DRIVE
OLD BUCKROE ROAD
short distance to waterfront
" PHOEBUS"

Wednesday morning, May 6.

Welcome ...
- Dr. DeWitt Miller — (asst. supt. for construction; Hampton

We're planning facilities now that will be used in the 21st Century ...

This charrette ("brainstorming session", if you wish.) will explore ideas for the schools ... generally & for the new high school ... specifically ...
- to bring out, develop, new ideas ..
...

Lee Cochran — Perkins & Will ... The planning team ... { Walter Wildman - Rancorn, Wildman, and Krause (Hampton); Edmund Sonnenschein, Nanak Manku, Robert Palmer } Perkins & Will (Washington)

After our initial slide presentation
we want to listen, learn ... hear your proposals, needs, ideas ...
(Think big ... project yourself into the future ... no holds barred ...
- this is the most creative phase
Smaller groups will then meet to identify needs, make proposals, discuss possibilities,
... report to entire group later in afternoon ...
.. the architects will record ideas in diagram & sketch form ... to supplement reports.

Suggested topics:
"What does your school need?"
"How can we take advantage of off-campus educational opportunities?"
"What kind of auditorium?"
" " " student commons?"
" " " physical education facilities?"

"Open planning vs contained space ...
.. Is there a need for both?"
"How can students participate in the planning process?"

Slide Presentation — Chas. William Brubaker
architect
Perkins & Will

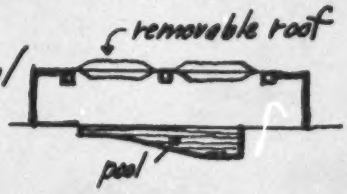
"New Directions ...
... Secondary Schools"

The recent past = 1) eclectic period (i.e., copying another culture)
2) rigid-formula period (boxes)

Now — The New Responsiveness (design responsive to educational program, to technology, to the unique facts of each site & each community.)

Example: The Educational Park
= new ideas, new analysis of need ...

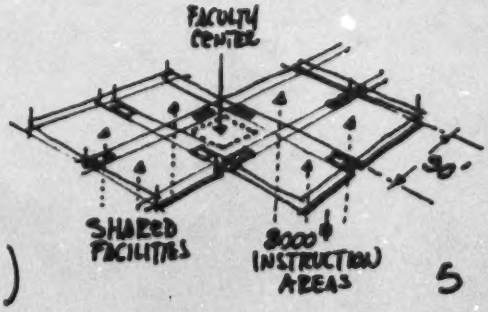
Pre-secondary modest examples—
1) Carleton W. Washburne School, Winnetka ...
... middle school, two levels, two buildings, with shared facilities
2) Mamaroneck, NY, middle school ...
... including an indoor-outdoor swimming pool



New directions—
Chicago's first "Magnet School"
= "Walt Disney Magnet School" on Chicago's lakefront

1) draws students from all parts of the city (emphasis = communication arts)
2) 600 pupil lower school ... ages 4-7
as 3 - 200-pupil areas
600 pupil intermediate school ... ages 7-10
as 3 - 200 pupil areas
600 pupil upper school ... ages 10-14
as 3 - 200 pupil areas
"The Interlochen Effect" → 3) plus 600 transient pupils (who experience the special communication arts program for 2 weeks)
4) all home-rooms 200 pupil open-plan 8000# areas
5) design emphasis:
a) maximum flexibility & adaptability
b) a warm, humanistic environment

Single most important characteristic of recent school design =
= adaptable space (to accommodate changing programs.)



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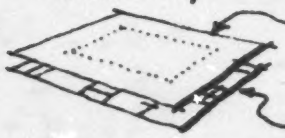
Slide Presentation, continued —

On flexibility: example - Rockaway, NJ, school (2 levels with different character)



upper level = an "uncommitted" loft space for either future open plan, or for future classrooms.

lower level = a "committed" series of spaces for phys. ed., dining, assembly, admin, services, entrance, etc.

The growing influence of the new media ...

- in the learning spaces and in resource centers. (= "the technology of education")

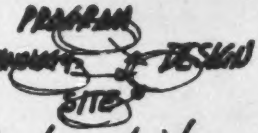
and new building methods & materials influence design ... (example = foam domes near Detroit)

especially systems ..

On mobility =

... note desire for relocatable units (too often minimum quality, short life, minimum amenity ...)

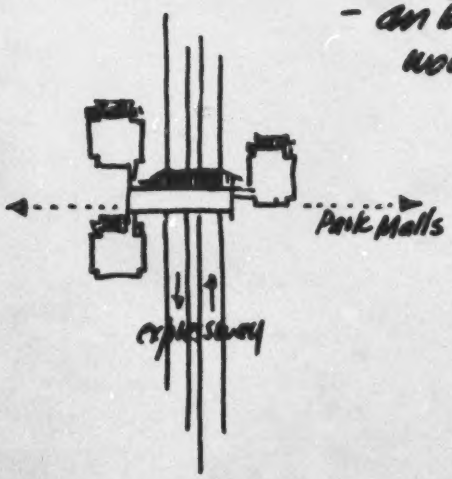
.. the floating school is most easily relocated.'



Secondary school design is now favorably influenced by new responsiveness to program, technology, & site.

Example:
Chicago's proposed "Cultural-Educational Clusters" will relate new secondary schools to the other cultural and educational facilities of the community.

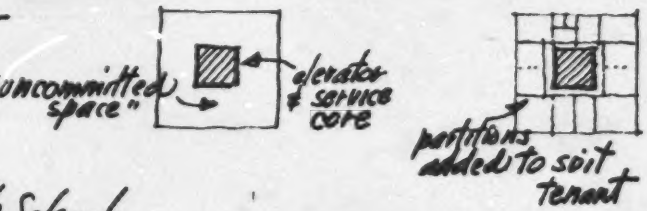
- an ideal location for such an urban school would be — a bridge-like structure over a lower-level expressway ... with community "park-malls" reaching out into neighborhoods. .. closely related to transportation, commerce, recreation, etc.



Slide presentation, continued –

The urban schools
will often have to find unconventional sites –
... over expressways, over streets, bridging ravines ...
... utilizing "air rights" above shopping centers ...
... sharing land with other functions ...
... with apartments above the educational facilities ...
.. or sharing a high-rise building with commerce.

We can
learn something
from the modern office building –
... it is a model
for flexibility ...



Jones Commercial High School
is based on such a plan
1) with 6 floors built as original investment
2) with allowance for future growth upward.

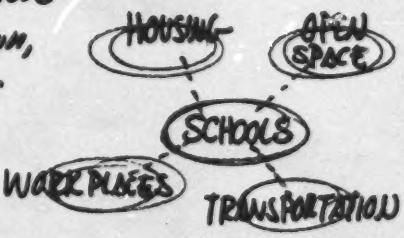
... and where land is very expensive
the high-rise school may be feasible
with vertical circulation via elevator or escalator (note forthcoming EFL study..)

... especially if 3 or 4 floor "houses"
are stacked in a tower

... colleges, including community colleges (as "El Centro", Dallas)
have sometimes utilized high-rise structures.

Tomorrow – the high school ... and the community college ...
may be a part of the central business-cultural district.
Example: Philadelphia's "Parkway School" ("the city is the school..")

School design – will be a part of the broader community design need..
... schools will be designed in close association
with open space, work places, transportation,
and housing ...



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Slide presentation, continued ...

Educational Program
is the principal form generator...

Emphasis on individual study, for example,
influences every design decision —
examples — Q-Space ("space for individual quest")
proposal ...
— study carrels ...
— Orchard Ridge Campus (of Oakland Community College, Michigan)
— an experimental
"college without classrooms."

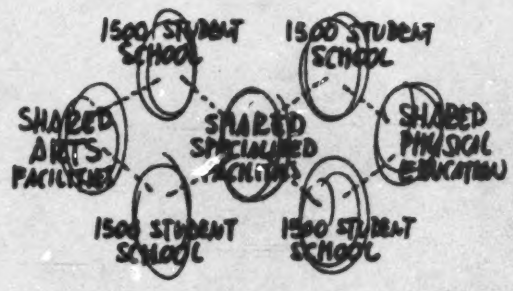
Community /
Junior Colleges
... often = innovation, and
distinguished architecture.
... examples of rural or suburban campuses — "Foothills", Calif.
"Sandhill", So. Pines, N.C.
... examples of urban campuses — "El Centro" occupying an
ex-department store
in Dallas
... single-structure campuses —
"Knight Campus", Rhode Island

The "loft" structure, especially in the city,
can house tomorrow's high school ...
... example: "Enterprise School" study by Leggett & Brubaker
... 4 flexible floors ... open plans ..

On more spacious sites ...
.. examples: Northern Highlands Regional H.S., Allendale, N.J.
• Duluth Area Inst. of Technology
• Stevens H.S., Rapid City, So. Dakota

Emphasis on quality ..
= New Trier West H.S. (.. a planning study ..)

The 6000 student high school
= Evanston Township H.S. (old + new)
... sub-divided as four 1500 student schools ...
.... resource centers
include faculty offices
... large size
permits great variety in facilities
& great range in programs.



Slide presentation, concluded –

"The turf concept ... and the multi-school"

Beginning with the individual student
and his own special needs ..

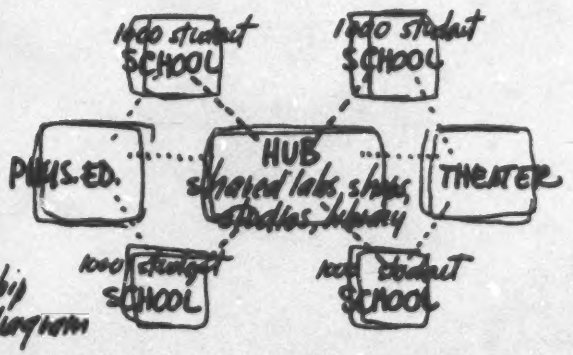
1) Create "turf" spaces = individual study spaces for 5 students
(places for reading, thinking, making things, drawing, watching TV, using other media, writing, typing, counselling, and small group discussions.

(typically, only 2 or 3 of the students will be using their own turf ..
.. the other 2 or 3 students will be elsewhere, using the shared facilities – shops, labs, gym, theatre, etc.

2) Combine 20 turfs
to create a "cluster"
= 100 students and a small faculty team.

3) Combine 10 clusters
to create a 1000 student "school"
.. with common shared resource center, dining/commons, large lecture room, etc.

4) Relate 4 schools
around a "hub" (the expensive labs, shops, studios, and research library)
and phys.ed. and theater
to create a 4000 student "multi-school."



... end of CUBE's slide presentation.

note similarity to Evanston Township High School diagram

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Discussion groups — Wednesday

Group 1

Mr. Thomas Thompson, chmn.
Mrs. Betty Swiggett, English
Mrs. Katherine Parrish, math
Mrs. Elizabeth Greene, library
Mrs. Margaret Steiner, math
Mr. Leroy Hubbard, art
Mr. Winston Siegfried, pe
Mr. William Wren, maintenance
Mr. Thomas Miller (dir., city planning)
Mr. Robert Palmer (architect P&W)
Mr. Lee Cochran (architect P&W)

Report: important linkages to community using resources of community and community use of school.

this new high school will be the last one built for a while so its design is especially important

movable walls; screens from ceiling; more spacious halls; lockers at hub;

office space for teachers; team teaching opportunities (variety of spaces)

swimming pool need: driver ed. station, ind. course, 4 simulators

"laboratory center" for computer, with math, science, and business around it.

"see-thru storage"

dark-able physics rooms

note general storage needs (too often not studied)

Group 2

Mrs. Mercedes Crum, chmn.
Mr. Donald Montague (reporting)
Mrs. Donette King
Mr. Ruth Kieth
Mrs. Pauline Sigler
Mr. Janice Gentry
Mr. Harold Braver, Jr.
Mr. Ed Sonnenschein (architect P&W)

Report: concepts considered:

independent study is coming

dining decentralized

competing importance relates to open planning, acoustical needs.

a-v equipment related to depts.

large auditorium obsolete, so plan smaller theaters instead (useful for teaching.. located thru-out school... = better use of resources.

[question: can sub-divided auditorium serve both needs?

student commons for dining, meetings, activities, parties at crossroads

phys. ed. emphasis = "adult carry-over value"

Hampton is surrounded by water.. "enjoy it! - develop site for water resources... swimming, boating, water skiing, fishing!

student health center.. = part of the educational program (not just a welfare service)

Group 1, continued ...

higher ceilings; reasonable glass; high quality hardware; security details.

"math lab" with graphboards
math classrooms need chalkboard

"media center" with carrels (wet & dry)
shelving for 20,000 volumes; conf. rooms;
the hub - but note noise problems..

on philosophy (the basic decision) ...
the nature of the teaching/learning process determines space requirements.

50% of students do not go to college;
perhaps they are more often not served well by the program ...

note success of community college offering good vocational-technical programs.

Modular Scheduling interest ...
(not all classes fit 50 minute hours)

Continuous Education program ...
- year 'round program

Community purpose -
must be evaluated.

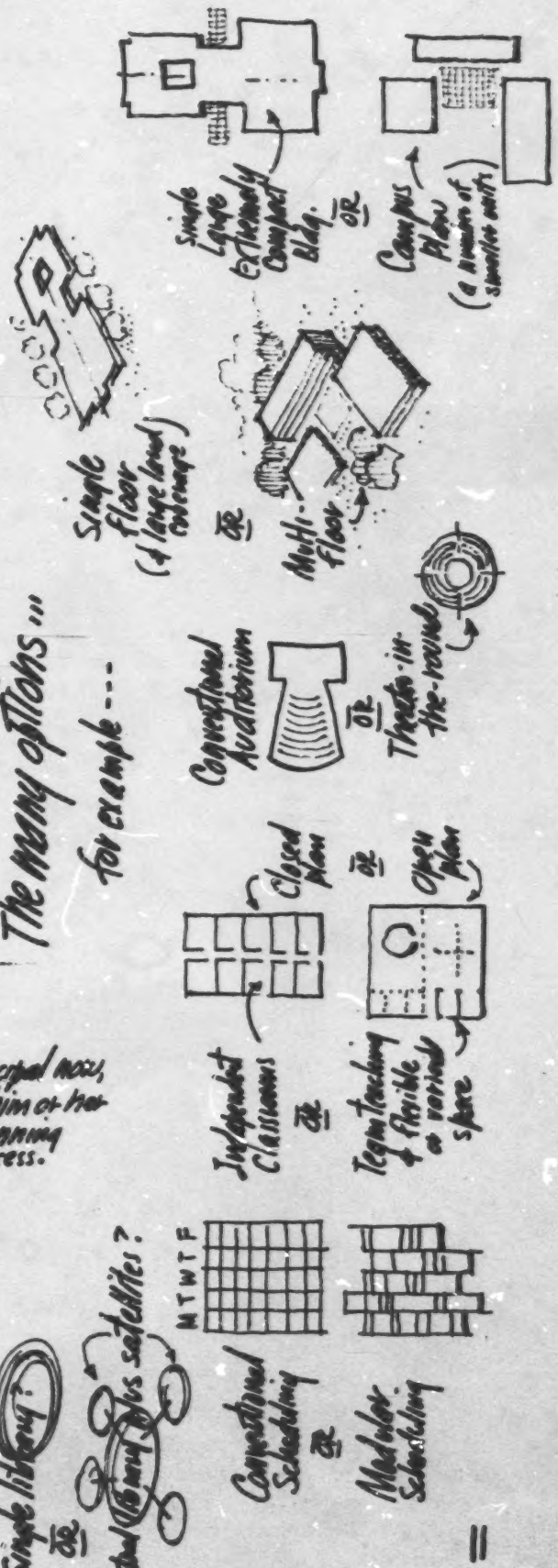
Media Center means different things to each person.
- not everyone need go to it ...
- many stored programs can be sent out from the media center.

Note conflict with media center ...
... some materials need storage at point of use.

New programs ... "turf" ... open space ....
outdoor classrooms ... maintenance of outdoor space.

We must consider
The many options ...
for example ---

Select principal now, to involve him or her in planning process.



Discussion Groups –

Group 3

Mr. Ed Szetela, chmn., principal
Mrs. Elizabeth Alcock, PTA
Miss. Lottye Russell, foreign lang.
Mr. Ken Williams, ind. arts
Mr. Mike Riddick, purchasing
Mr. Nanak Manku (architect) P&W

Report

Kecoughtan H.S. did incorporate many ideas generated by earlier discussions.

Existing Hampton HS thought to be too spread out on one floor...
.. suggesting multi-level design for the new school.

School library
Can be used by community (outside access)

Foreign language classrooms need more intimate seating, as horse-shoe, circular, comfortable.

... a few individual carrels for recording & listening
.. classrooms related to central language lab.

New nationwide industrial arts mix =
1) Communications (electronics; graphic arts; drafting)
2) Manufacturing & Construction
3) Power & Transportation

Work-study programs.

ICT programs.

"Vocational" = Business
Distributive Education
Home Ec.
Trade & Industrial Ed.
Industrial Arts

Wednesday

Group 4

Mr. Albert Smith, chmn
Miss Sandra Anderson, phys. ed.
Mrs. Dorothy Madison, ETV
Mrs. Jane Snipe, library
Miss Nancy Forrest, business
Mr. Thomas Clawson, science
Mr. Wallace Waldman (architect) R-M-K

Report

"Reading-study lab"
... connected to library.

Library conf- sto-listening - special rooms are very popular
good idea instead of only large open space.

Satellite libraries related to departments
= dept. headquarters
incl. small rooms & some library materials.

"Plaza HS"
Virginia Beach
kivas are good
... seating large groups.

encourage
variety in meeting places ...
- stepped rooms
- large and small

"
Team Teaching capability

Re = largest assembly –
the gymnasium is the best place for seating the student body
(which means theater is smaller..)

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Group 3, continued –

Commons away from academic area.
Smoking area for students.

Areas for related disciplines.

Phys. Ed. facilities also need outside access for community use, especially evenings, weekends.

Phys. Ed. locker rooms
" use lockers, not baskets
" central gang showers (boys)
" laundry in h.s.

One gym vs Two gyms ?
serving " PE classes
" Varsity sports
" intramural sports
" teenagers recreation
" adult recreation

Corrective Phys. Ed. important

Seating capacity of gyms is least essential since Coliseum is used for large spectator sport events.

More functional theater (sub-divided?) especially for many small groups...

Theater-in-round considered.

If ~~a~~ conventional stage (but not high priority Here.. provide good access

Faculty offices — thus freeing up classrooms for fuller utilization.

faculty dining / lounges.

Faculty parking spaces

Group 4, continued –

Theater / Auditorium should seat one class (use gym for seating entire student body)

Use off-campus facilities ... YMCA, colleges, govt. facilities, Williamsburg, etc.

Phys. Ed. program is disrupted when team sports tie up gym.
... perhaps 2 gyms needed
... or 1 gym plus fieldhouse.

2 Exercise Rooms –
1) 40'x40' for wrestling ± accommodate 36x36 to 39x39 mats.
2) smaller for gymnastics, weights, etc.

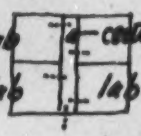
Swimming Pool for water safety education and teams and recreation

Satellite cafeterias best ← Note ETHS' experience
" smaller dining rooms are more useful for other activities.

Commons
- might allow smoking...
- adjacent to gym and cafeteria...
- separated from academic area...
- including soda area / snack bar ?

Business → an open space area which can be most flexible.

Science



central prep. room
.. including carrels

Biology labs need large storage lockers..
... Animal room
... Greenhouse

What is the role of the school in the community ?
- recreation
- community services
- community library, etc.

... gym, guidance, clinic, some classrooms, pool, library, etc.
... used at night, too?

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Summary of the first day discussions - Lee Cochran (Wednesday afternoon

Note dichotomy - 1) "inward-looking, no windows, fortress-like" (closed)
2) "outward-looking, community-related, involved" (open)

The school system is a sub-system of the larger social system.

Today - main emphasis - ideas about school design from teachers.
Tomorrow - different view, perhaps - from students.

Next, with these excellent beginnings, the planning team will respond with first design studies.

Wednesday evening -

evaluation session
school admin & architects
with Walt Wildman as host
at Huntington Club

conclusion -
"valuable results from the charrette"

- DeWitt Miller
- Thomas Thompson
- Walter Wildman
- Edwin Shumate
- Dr. Thurman Payne
- Lee Cochran
- Ed Sommanschein
- Nowak Manley
- Bob Palmer
- Bill Burbeck

2nd day ...

Dr. DeWitt Miller, and Lee Cochran -

"Some of the best ideas for the new high school will probably come from the students.

Thursday morning, May 7
at Luther N. Machen School
"with many high school students, faculty, admin, & board members.

"the architects, after a slide presentation ("New Directions ...") will meet with groups of students, and others, to help generate understanding, ideas, identification of needs ...
& Messrs. Wildman, Palmer, Sommanschein, and Manley will sketch ideas described by the participants.. 14

Discussion Group #1

Mrs. Doris Ennis, chmn.
Mr. Garland Lively, supt.
Mr. Robert Dewey, board member
Mrs. Ann Hogg
Mr. Bill Solomon
Mrs. Frances Duncan, nurse
Mr. Bill Greene, AC.
Mrs. Elizabeth Gordon
Mr. Robert Palmer (architect)

Report:

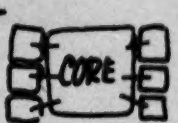
maybe Turf, other bold concepts, would serve the learning process better.

Pass-thru locker area → lockers →

Community health clinic = part of the school!?

Utilize space efficiently
example = 4-part Auditorium → movable partitions

"Teacher Center"
more than a workroom
" a planning center for team efforts...
= "core" for each department
... with classrooms above and below



Discussion Group #2 — Thursday May 7

Mr. Harry Dyche, Jr., chmn.
Mrs. Doris Smith, board member
Dr. Joseph Lyles, asst. supt. programs
Ms. Betty Chaney, English
Mr. Bill Turner
Mr. Roy Vorhaver
Mr. Edward Duckworth
Mrs. Beth Burford, PTA
Mr. Nanak Manku (architect)

Report:

Music – flat floor? (existing)
or stepped floor? (desired by some)
or portable-type risers? (compromise)

Turf Concept... (INDEPENDENT STUDY)*
worth considering...
related to commons areas

Commons
the hub? (others suggest non-central location)

Vocational education for girls?
.. why not cosmetology, for example

The new school site
is near the water ... use it!
= (a satellite campus on the beach?:)

Administration dispersed...

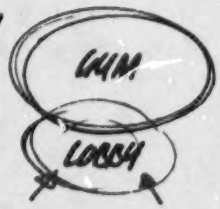
* study halls are one of the least satisfactory existing elements...
... consider some alternates.

Student Discussion Group #3 and Group #4 Thursday

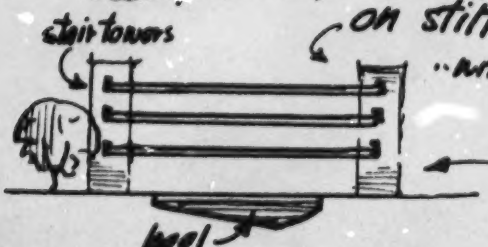
Chet Hart, chmn.
Herb Martin
Brenda Whitley
Anita Smith
Leah Wilson
Marilyn Ward
Guy Davis
Neal Smith
Ed Sonnenschein (architect)

Report

Gymnasium lobby can be used for activities, wrestling, etc.



multi-level design ... put the school up on stilts ... with pool, gym, parking below



Theater-in-the-round instead of conventional auditorium

Distributive education — → why not include a series of small shops on campus (open to the public)

Windows where social activities occur

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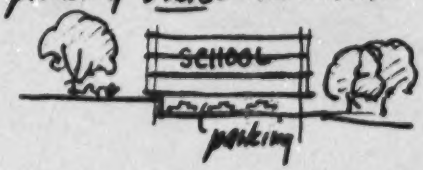
Bill Porch, chmn.
Greg Ruddell
~~Larry Sutton~~ Lynn Hudson
Phyllis Fladger
Blake Moraut
Janice Rosser
Rodney Harper
Steve Dyer
Walter Wildman (architect)

Report

Parking lots
not problems, vandalism
... why not parking under the school?



Arts ...
more space for drama, dance, music (properly isolated acoustically)
auditorium might be subdivided ...

better seating?

Commons BIG! | Smoking
Coffee shop
Political activities, clubs, etc.

Windows are still essential ...
... but no agreement on whether they're needed in classrooms.

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Group 3, continued —

Library
can be a part of the Hampton
Public Library System ..

Full-length mirrors in the girls' rooms;
Chilled water in fountains; Trash
control...

More variety in
interior design ...
... more personality
(but avoid vulgar colors, materials)
tones.

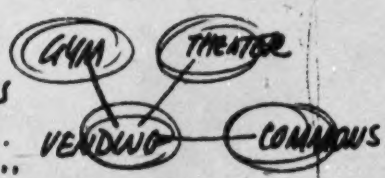
The new Campus

Satellite campus
on the beach

(see Ed Sommerschield's sketches..)

How about —
Bowling, golf, movie theater, etc.
.. in addition to top-priority water-based activities.

Vending machines
at central
location ...



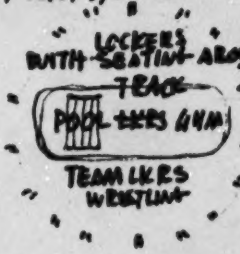
"Steamboat plan" outside deck circulation:
.. to save inside area for education

outside
balcony
corridors

Group 4, continued —

Swimming Pool
high priority (teaching recreation community use

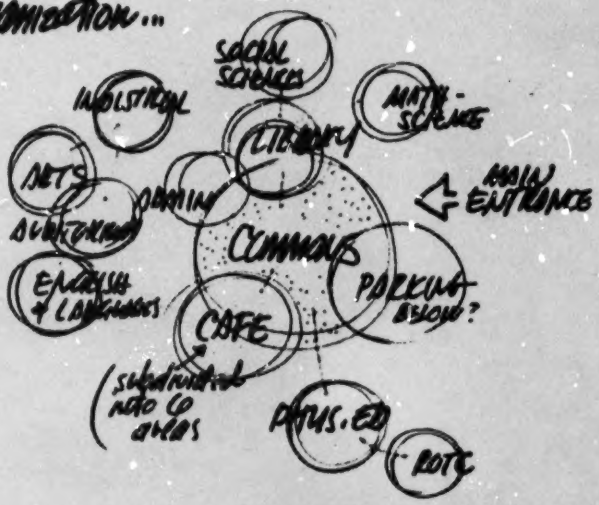
Field House ...



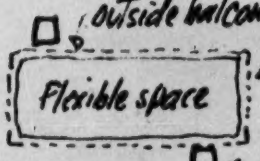
(see Walt Wildman's plan sketch)

= a multi-function
single-space structure..

Organization...

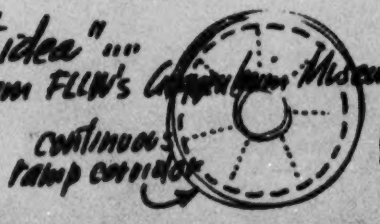


good idea! - GWB



Finally ... "our furthest-out idea" ...
learn something from FLLW's Guggenheim Museum

the helix ...



continuous ramp corridor

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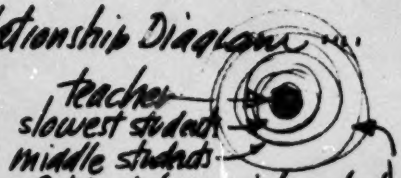
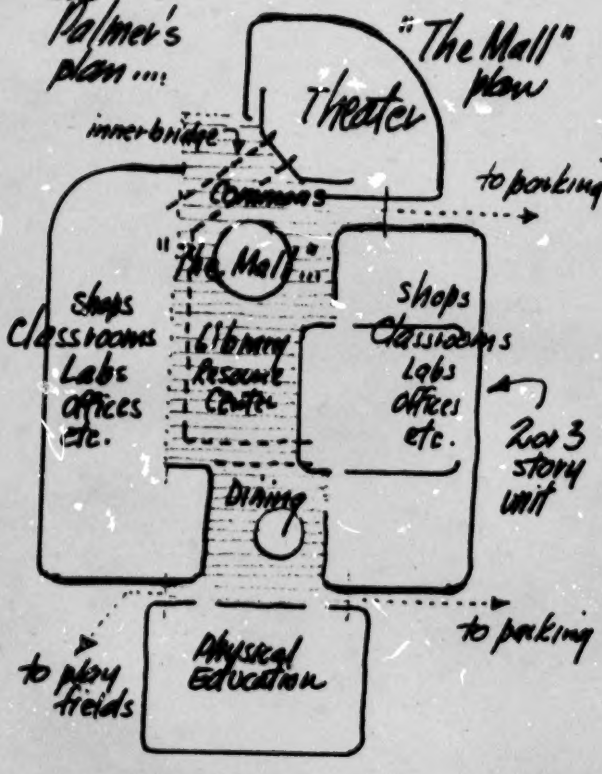
Discussion Group 1, continued –

Relationship Diagram ...



Bob Palmer's plan ...



Summary ... Lee Cochran

- an excellent 2 day session = better understanding for all.
- the architects will analyze the site, program, finances, charrette notes
  ... will explore ways the site can be developed
  ... will suggest alternate schemes for the new school
- recommend another meeting to review the design studies.

Miscellaneous comments –

Access to the city Library System again mentioned ...

Key assumptions –

1) Air Conditioning
2) Proper glass balance for agreeable views, spirit ...
3) Quality materials used in a dignified manner.
4) High level of flexibility, adaptability to change.
5) Open planning where appropriate ...
   .. utilizing carpeting in places for acoustical control and comfort.
6) Imaginative, varied spaces ...

Mr. Harrol Braver, pres., school board

1) note desireability of separating gym and auditorium for better evening use.
2) better acoustics (empty or full) for auditorium
3) good quality equipment essential
4) faculty lounge/dining needed.
5) swimming pool needed ...
   a community need ...
   " financial support sought.

⇒ 6) basic design generator = the schools philosophy.

sketchbook notes –
Chas. William Brubaker
- Perkins & Will